Washington Military Department



Emergency Management Division Effective Date: July 1, 2011

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E911 UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY

Cancels all previous E911 UPS Support Policies

See Also:

WAC 118-66

E911 County Contract Policy

E911 County Regionalization Contract Policy

E911 Salaries and Benefits Policy

E911 Training Policy

E911 Washington State Patrol Contract Policy

UNINTERRUPTIBLE POWER SUPPLY SUPPORT POLICY

This policy applies to counties and Washington State Patrol (WSP) that have entered into a contract with the State E911 Office and are eligible for the Operations Section of the contract.

Uninterruptible Power Supply (UPS) for Public Safety Answering Point (PSAP) Enhanced 911 (E911) equipment in accordance with WAC 118-66 is defined as a system designed to provide power, without delay or electrical transients, during a period when the normal power supply is incapable of performing acceptably.

1. Analysis

- a. A UPS provides electrical power to emergency services equipment in the event of a loss of commercial power at the PSAP. The role of the UPS is to maintain operation of critical components of the PSAP equipment long enough for commercial power or auxiliary generators to come online and become stable.
- b. Instructions on how to size an E911 UPS are available in the National Emergency Number Association (NENA) document number: NENA-04-001– NENA Recommended Generic Standards for E911 PSAP Equipment.
- c. In addition to the commercial power source, a reserve battery power supply or UPS shall be available to provide a minimum of 30 minutes of emergency power for full functionality of the following listed elements of the E911 system:
 - 1. E911 Call Taker equipment.
 - 2. Automatic Number Identification and Automatic Location Identification (ALI) controllers.
 - 3. ALI link modems, routers, and Network interfaces.
 - 4. Telephone common equipment.
 - 5. Intelligent workstation common equipment.
 - 6. Telecommunication Devices for the Deaf /Teletype Devices.
 - 7. Call Detail Recorder Printer.
 - 8. PSAP Clock Synchronizer.

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2. Decision

- a. The State E911 Office will reimburse eligible counties/WSP for the following items in accordance with the conditions listed below:
 - i. Uninterruptible Power Supply (UPS) Line Item: **B1**
 - Purchase or lease and installation of the hardware and software components required to support an E911 UPS subject to the conditions and limitations in this policy.
 - ii. UPS Maintenance Line Item: B1.1
 - Routine repair and preventative maintenance cost shall not exceed 10 percent of the approved purchase price (per fiscal year).
 - Maintenance funds may be used for agreements with vendors, time and materials, purchase of spare parts and/or salaries/benefits to maintain equipment.
 - Maintenance funds may also be used for training to maintain equipment.
 - Emergency repairs will be reviewed for eligibility on a case by case basis.
 - iii. Battery(ies) Line Item: B1.2
 - Replacement of failing battery(ies) that have tested as failed or failure imminent should be replaced immediately upon discovery.
 - Replacement of battery(ies) and/or an entire battery bank must have prior written approval by the State E911 Office.
- b. Reimbursement for lease costs shall be on a year-to-year basis.
- c. Purchase or lease of any E911 equipment must follow PSAP or governing jurisdictional procurement laws, procedures and/or policies.
- e. Secondary and/or individual UPSs to maintain other equipment are not eligible for purchase, upgrades, replacement or maintenance.
- f. The requested amount must be reasonable, prudent, and applicable to E911. Prior to purchasing or leasing the equipment, county/WSP must submit a written quote including shipping, handling, taxes, and installation charges to the State E911 Office at E911request@emd.wa.gov for review and approval. Without prior written approval the purchase or lease may not be eligible for reimbursement by the State E911 Office.
- e. All E911 equipment must be ordered, installed and accepted no later than the end of the contract performance period of June 30, 2013. Work performed outside the contract performance period will not be eligible for reimbursements.
- f. In the event of an emergency, exceptions may be made on a case by case basis.

3. Moratorium

A moratorium will be in place from **March 1, 2013** through **June 30, 2013**. During this moratorium, no equipment requests will be processed.

In the event of an emergency, an exception will be made on a case by case basis.

Approved by:

Kurt Hardin, Acting State E911 Administrator